

HISTORIC AMERICAN ENGINEERING RECORD

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WELLTON-MOHAWK IRRIGATION SYSTEM, PUMPING
PLANT NO. 3
South of Interstate 8
Wellton vicinity
Yuma County
Arizona

HAER AZ-68-C

Photographs HAER AZ-68-C-21 through HAER AZ-68-C-24 are 8x10 inch contact prints from copy negatives of 11x17 inch Xerox copies of the original architectural drawings. The original materials are held at the U.S. Department of the Interior, Bureau of Reclamation, Yuma Area Office, 7301 Calle Agua Salada, Yuma, Arizona.

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David G De Vries, photographer, October 2005

AZ-68-C-1	Context view, looking southwest at the Wellton-Mohawk Canal and Pump Plant, with the Gila Mountains in the background
AZ-68-C-2	East front, or intake side, of Pumping Plant
AZ-68-C-3	South side
AZ-68-C-4	West rear, oblique view to the north
AZ-68-C-5	West rear, from uphill near afterbay
AZ-68-C-6	North side, also showing forebay and north side of control room
AZ-68-C-7	Afterbay, showing four discharge channels and four hydraulic gate check cylinders, one for each discharge pipe opening. The fifth bay at the left without a hydraulic cylinder is the outlet for the regulatory pumps added in 1972. The still well is visible at right
AZ-68-C-8	Afterbay, looking north at hydraulic gate check cylinders. The spillback gate box is visible at the far left on the north side of the canal.
AZ-68-C-9	Motor room, overall view to the north

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AZ-68-C-10	Motor room, view to the north
AZ-68-C-11	Detail, unit 4, 1,850 horsepower (hp) synchronous pump motor manufactured by The Electric Products Company, Cleveland , Ohio. Pump units 1, 2, and 3 are identical to this unit. View to the west
AZ-68-C-12	Detail, unit 1, showing rear of pump motor, View to the north
AZ-68-C-13	Detail of motor control cabinet and field breakers. Control cabinet and breaker panel built by Cutler-Hammer
AZ-68-C-14	Detail, 25-ton overhead traveling crane built by The Craneveyor Corporation, Los Angeles, California
AZ-68-C-15	Main control room, view to north
AZ-68-C-16	Detail of the original main control cabinets
AZ-68-C-17	Service bay area, pump room level, showing ventilation fans and ducts association with evaporative-cooling system. Note battery bank at far right. View to the east
AZ-68-C-18	Overall view of pump room, view to south
AZ-68-C-19	Detail of pump unit 1, showing pump, pump shaft, bottom of motor, and discharge pipe
AZ-68-C-20	Detail of discharge pipe. View to the north
AZ-68-C-21	PLAN AND SECTION. WELLTON-MOHAWK PUMPING PLANT NO. 3. WELLTON-MOHAWK CANAL - STA. 972 -64.99. United States Department of the Interior, Bureau of Reclamation; Gila Project, Arizona, Wellton-Mohawk Division. Drawing No. 50-D-2385, dated June 30, 1948, Denver, Colorado
AZ-68-C-22	ARCHITECTURAL EXTERIOR ELEVATIONS AND DETAILS. WELLTON-MOHAWK PUMPING PLANT NO. 3. United States Department of the Interior, Bureau of Reclamation; Gila Project, Arizona, Wellton-Mohawk Division. Drawing No. 50-D-2361, dated November 24, 1948, Denver, Colorado

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AZ-68-C-23 GENERAL ARRANGEMENT BUILDING AND EQUIPMENT.
WELLTON-MOHAWK PUMPING PLANT NO. 3. United States
Department of the Interior, Bureau of Reclamation; Gila Project,
Arizona, Wellton-Mohawk Division. Drawing No. 50-D-2343,
dated October 26, 1948, Denver, Colorado

AZ-68-C-24 DISCHARGE PIPES. WELLTON-MOHAWK PUMPING
PLANT NO. 3. WELLTON-MOHAWK CANAL - STA. 972
-64.99. United States Department of the Interior, Bureau of
Reclamation; Gila Project, Arizona, Wellton-Mohawk Division.
Drawing No. cut off, dated November 30, 1948, Denver, Colorado